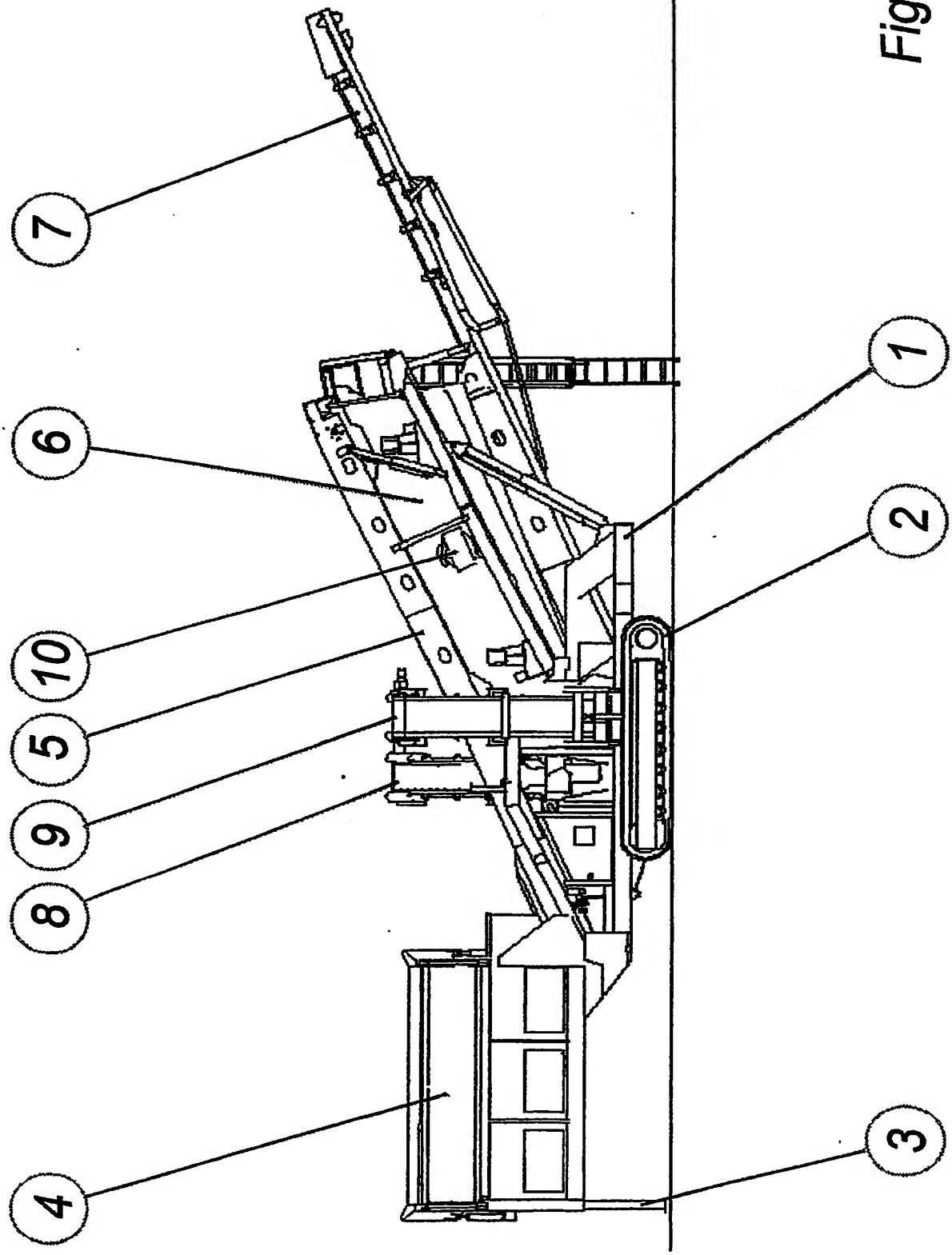


Fig. 1

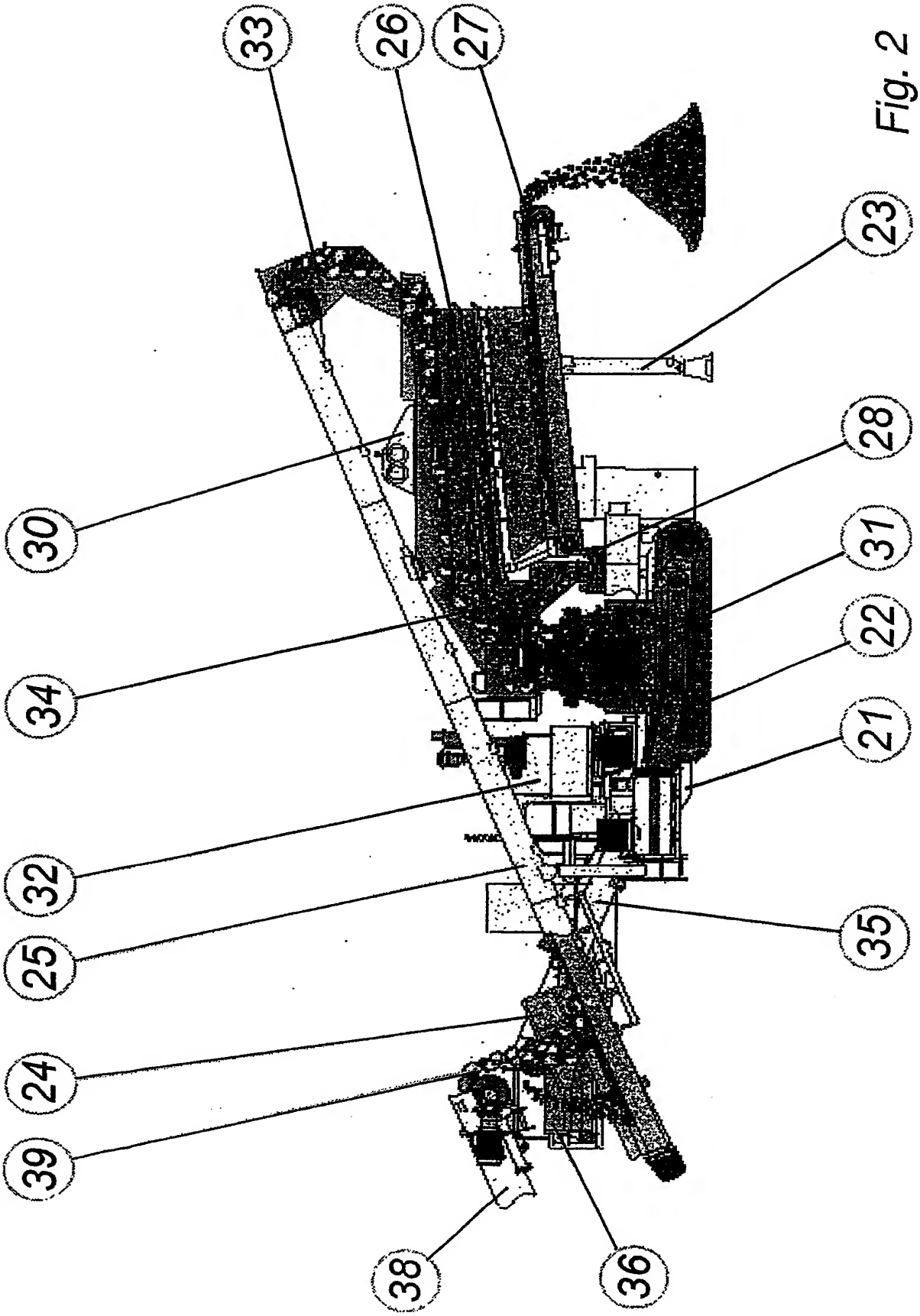


Fig. 2

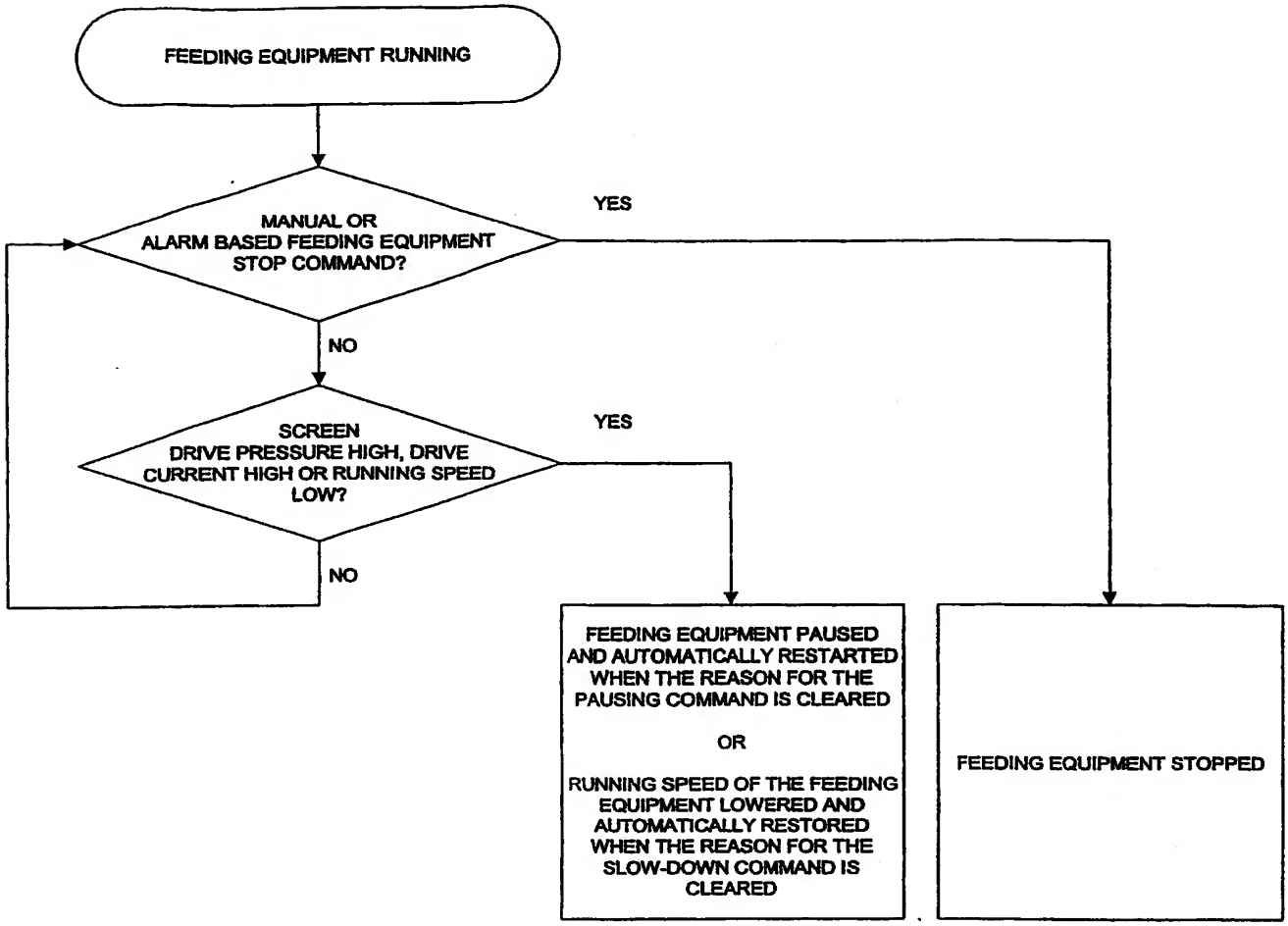
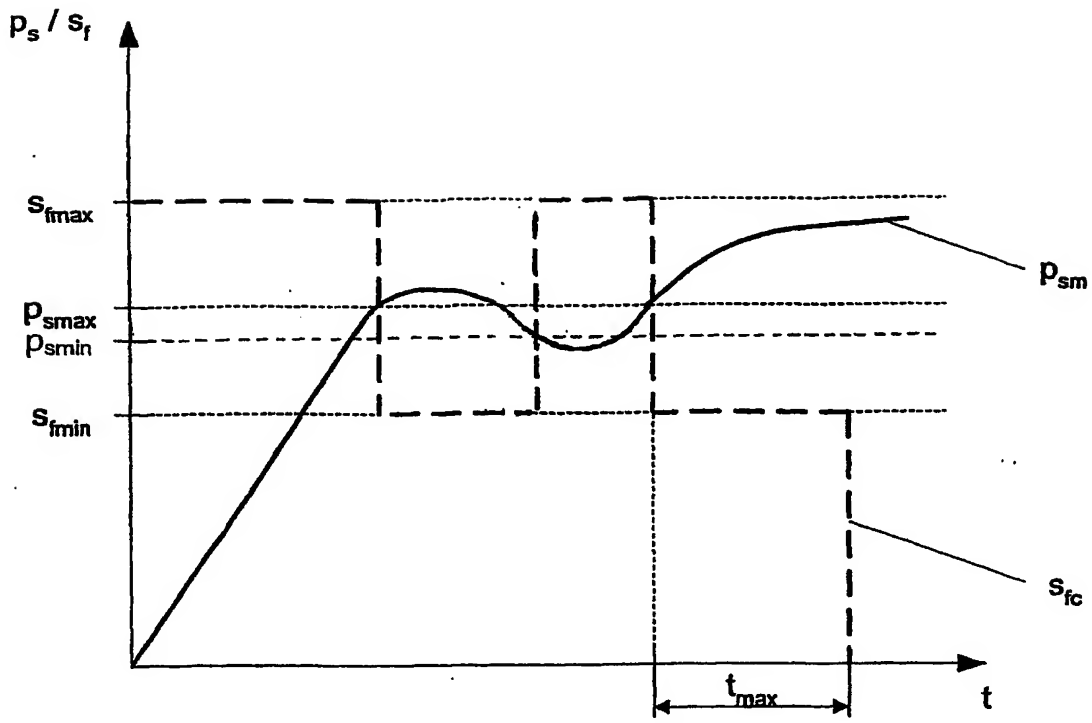

FEEDING EQUIPMENT RUNNING
MANUAL OR ALARM BASED FEEDING EQUIPMENT STOP COMMAND?
YES
NO
SCREEN DRIVE PRESSURE HIGH, DRIVE CURRENT HIGH OR RUNNING SPEED LOW?
YES
NO
FEEDING EQUIPMENT PAUSED AND AUTOMATICALLY RESTARTED WHEN THE REASON FOR THE PAUSING COMMAND IS CLEARED
OR
RUNNING SPEED OF THE FEEDING EQUIPMENT LOWERED AND AUTOMATICALLY RESTORED WHEN THE REASON FOR THE SLOW-DOWN COMMAND IS CLEARED
FEEDING EQUIPMENT STOPPED

Fig. 3



t = time

p_s = pressure of the screen drive system

s_f = speed of the feeding equipment

p_{sm} = pressure of the screen drive system as measured (imaginary)

p_{smax} = maximum pressure of the screen drive system as set by the control system

p_{smin} = minimum pressure of the screen drive system as set by the control system

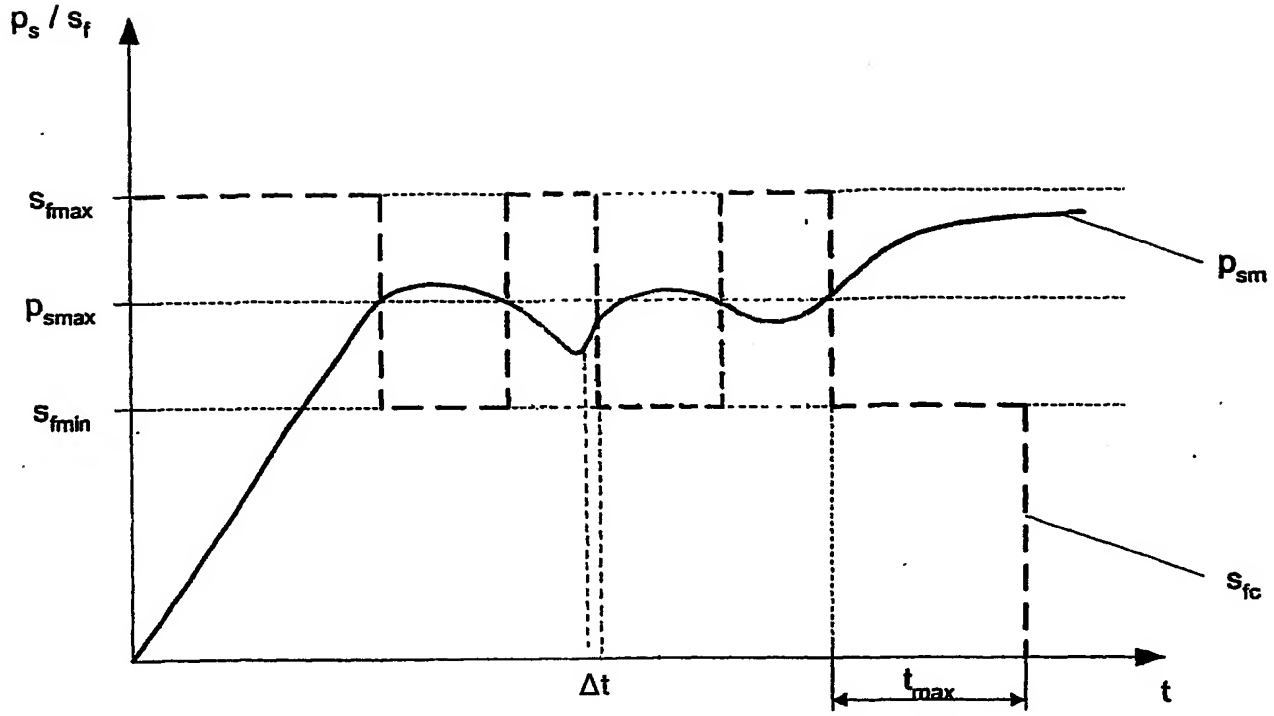
s_{fc} = speed of the feeding equipment as set by the control system to react to p_{sm}

s_{fmin} = minimum speed of the feeding equipment as set by the control system

s_{fmax} = maximum speed of the feeding equipment as set by the control system

t_{max} = maximum duration of p_{smax} overrun as set by the control system

Fig. 4a



t = time

p_s = pressure of the screen drive system

s_f = speed of the feeding equipment

p_{sm} = pressure of the screen drive system as measured (imaginary)

p_{smax} = maximum pressure of the screen drive system as set by the control system

$(\Delta p_{sm}/\Delta t)_{max}$ = maximum speed of change of the pressure as set by the control system

s_{fc} = speed of the feeding equipment as set by the control system to react to p_{sm}

s_{fmin} = minimum speed of the feeding equipment as set by the control system

s_{fmax} = maximum speed of the feeding equipment as set by the control system

t_{max} = maximum duration of p_{smax} overrun as set by the control system

Fig. 4b

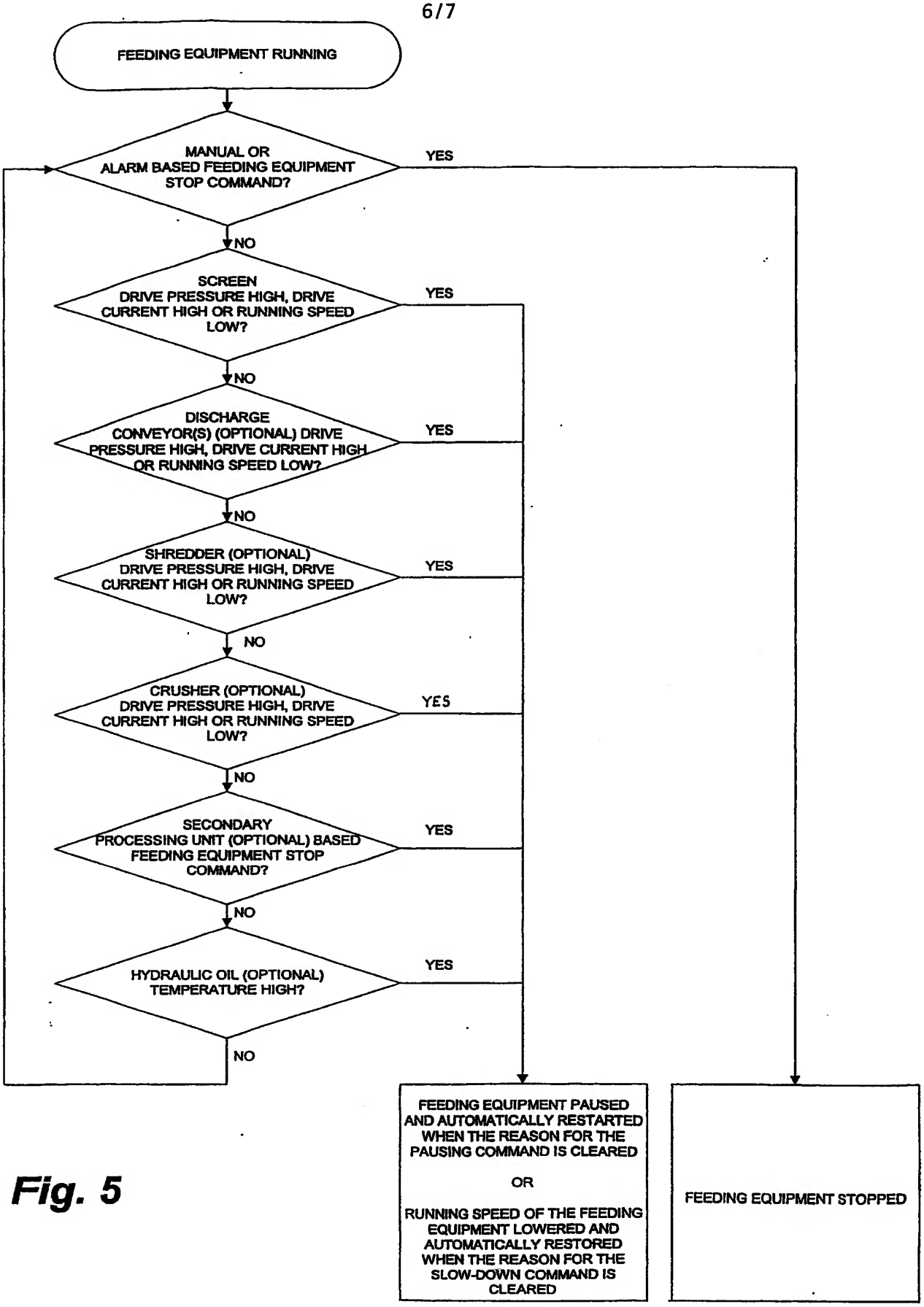

FEEDING EQUIPMENT RUNNING
MANUAL OR ALARM BASED FEEDING EQUIPMENT STOP COMMAND?
YES
NO
SCREEN DRIVE PRESSURE HIGH, DRIVE CURRENT HIGH OR RUNNING SPEED LOW?
YES
NO
DISCHARGE CONVEYOR(S) (OPTIONAL) DRIVE PRESSURE HIGH, DRIVE CURRENT HIGH OR RUNNING SPEED LOW?
YES
NO
SHREDDER (OPTIONAL) DRIVE PRESSURE HIGH, DRIVE CURRENT HIGH OR RUNNING SPEED LOW?
YES
NO
CRUSHER (OPTIONAL) DRIVE PRESSURE HIGH, DRIVE CURRENT HIGH OR RUNNING SPEED LOW?
YES
NO
SECONDARY PROCESSING UNIT (OPTIONAL) BASED FEEDING EQUIPMENT STOP COMMAND?
YES
NO
HYDRAULIC OIL (OPTIONAL) TEMPERATURE HIGH?
YES
NO
FEEDING EQUIPMENT PAUSED AND AUTOMATICALLY RESTARTED WHEN THE REASON FOR THE PAUSING COMMAND IS CLEARED
OR
RUNNING SPEED OF THE FEEDING EQUIPMENT LOWERED AND AUTOMATICALLY RESTORED WHEN THE REASON FOR THE SLOW-DOWN COMMAND IS CLEARED
FEEDING EQUIPMENT STOPPED

Fig. 5

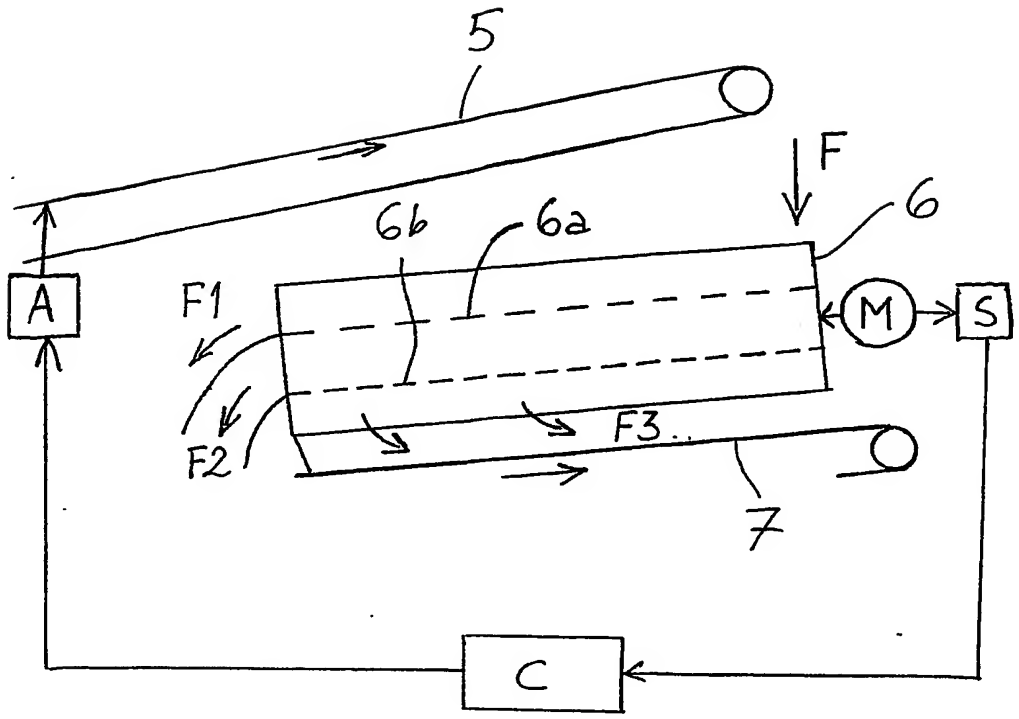


Fig. 6